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PATENT
Attorney Docket No.: AVARS-02700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	Group Art Unit: 2661
Mansour J. Karam et al.)	Examiner:
Serial No.: 10/070,338)	<u>TRANSMITTAL LETTER</u>
Filed: December 12, 2002)	162 N. Wolfe Road
For: METHOD AND APPARATUS FOR)	Sunnyvale, CA 94086
CHARACTERIZING THE)	(408) 530-9700
QUALITY OF NETWORK PATH)	Customer No.: 28960

MS: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Sir:

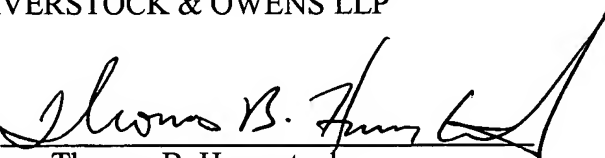
Enclosed please find a Supplemental Information Disclosure Statement, and Form PTO-1449, including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

You will also find enclosed the associated Transmittals, Electronic Information Disclosure Statements, and United States Patent and Trademark Office Acknowledgment Receipts for the electronically filed Information Disclosure Statement (EFS ID #80866) and (EFS ID #80868) filed on March 25, 2005.

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1275. **An originally executed duplicate of this transmittal is enclosed for this purpose.**

Respectfully submitted,
HAVERSTOCK & OWENS LLP

Dated: 3-25-05

By: 
Thomas B. Haverstock
Reg. No.: 32,571

Attorneys for Applicants

CERTIFICATE OF MAILING (37 CFR § 1.8(a))

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HAVERSTOCK & OWENS LLP
Date: 3-25-05 By: 



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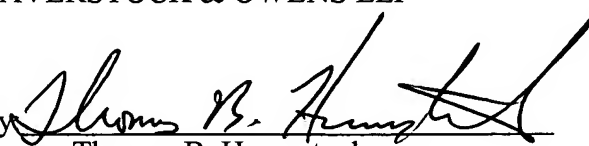
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In re Application of:)	Group Art Unit: 2661
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Serial No.: 10/070,338)	<u>SUPPLEMENTAL INFORMATION</u>
Filed: December 12, 2002)	<u>DISCLOSURE STATEMENT</u>
For: METHOD AND APPARATUS FOR)	162 N. Wolfe Road
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Sir:

The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

United States Patents or Published Patent Applications have been filed electronically (EFS ID #80866) and (EFS ID #80868). Applicants have become aware of the following printed publication which may be material to the examination of this application:

- European Publication No. EP 0 504 537 A1;
- European Publication No. EP 0 528 075 A1;
- European Publication No. EP 0 598 969 B1;
- European Publication No. EP 0 788 267 A2;
- European Publication No. EP 0 942 560 A2;
- European Publication No. EP 0 977 456 A2;
- European Publication No. EP 0 982 901 A1;
- European Publication No. EP 0 999 674 A1;
- PCT Publication No. WO 94/08415;
- PCT Publication No. WO 99/06913;

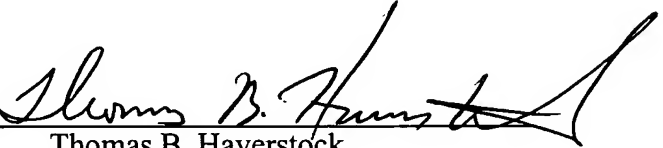
- PCT Publication No. WO 99/14907;
- PCT Publication No. WO 99/14931;
- PCT Publication No. WO 99/14932;
- PCT Publication No. WO 99/18751;
- PCT Publication No. WO 99/30460;
- PCT Publication No. WO 99/39481;
- PCT Publication No. WO 00/04458;
- PCT Publication No. WO 00/25224;
- PCT Publication No. WO 00/38381;
- PCT Publication No. WO 00/45560;
- PCT Publication No. WO 00/52906;
- PCT Publication No. WO 00/62489;
- PCT Publication No. WO 00/72528 A1;
- PCT Publication No. WO 00/79362 A2;
- PCT Publication No. WO 00/79730 A2;
- PCT Publication No. WO 01/06717 A1;
- PCT Publication No. WO 01/13585 A1;
- Z. Wang et al., "Resource Allocation for Elastic Traffic: Architecture and Mechanisms," Conference Proceedings Article, 2000, XP010376681, pages 159-169;
- C. V. Papadopoulos et al., "Protection and Routing Algorithms for Network Management -The Case of Transmission Networks," Microprocessing and Microprogramming 38 (1993), XP000383771, pages 163-170;
- J. Yu, "Scalable Routing Design Principles," Ref. No. RFC 2791, Network Working Group, July 31, 2000, pages 1-26;
- Paul Francis et al., "An Architecture for a Global Internet Host Distance Estimation Service," pages 1-17;
- T. Bates et al., "Multiprotocol Extensions for BGP-4", XP-00219077, June 2000, ppg. 1-10;
- S. Kumar et al., "The MASC/BGMP Architecture for Inter-domain Multicast Routing," 12 pages;
- S. Berson et al., "An Architecture for Advance Reservations in the Internet," USC Information Sciences Institute, July 16, 1998, pages 1-21;

- R. P. Draves et al., "Constructing Optimal IP Routing Tables," 1999 IEEE, 1-10;
- R. Govindan et al., "An Analysis of Internet Inter-Domain Topology and Route Stability," USC Information Sciences Institute, 1997 IEEE, 8 pages;
- V. Paxson, "Toward a Framework for Defining Internet Performance Metrics," http://www.isoc.org/inet96/proceedings/d3/d3_3.htm, pages 1-20;
- C. Alaettinoglu et al. "Routing Policy Specification Language (RPSL)," <http://quimby.gnus.org/internet-drafts/draft-ietf-rps-rpsl-v2-00.txt>, pages 1-56;
- P. Traina, "BGP-4 Protocol Analysis," March 1995, pages 1-10;
- B. Krishnamurthy et al., "On Network-Aware Clustering of Web Clients," 14 pages;
- Sami Iren et al., "The Transport Layer: Tutorial and Survey", XP-002210446, ACM Computing Surveys, Vol. 31, No. 4, December 1999, pages. 360-405; and
- D. B. Ingham et al., "Supporting Highly Manageable Web Services", Computer Networks and ISDN Systems 29 (1997), pages. 1405-1416.

This Supplemental Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that anyone or more of these citations constitutes prior art.

Respectfully submitted,
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FORM PTO-1449
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Serial No.: 10/070,338

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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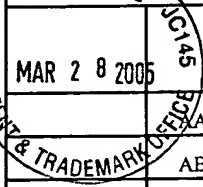
(37 CFR § 1.98(b))

Applicants: Mansour J. Karam et al.

Filing Date: December 12, 2002

Group Art Unit: 2661

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	AA	EP 0 504 537 A1	09/23/92	EP	H04L	12/26		X
	AB	EP 0 528 075 A1	02/24/93	EP	H04L	12/26		X
	AC	EP 0 598 969 B1	02/10/99	EP	H04L	12/18		X
	AD	EP 0 788 267 A2	08/06/97	EP	H04L	29/06		X
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	AN	WO 99/18751	04/15/99	PCT	H04Q	11/04		X
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	AP	WO 99/39481	08/05/99	PCT	H04L	12/66		X
	AQ	WO 00/04458	01/27/00	PCT	G06F	17/21		X
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	AZ	WO 01/06717 A1	01/25/01	PCT	H04L	12/56		X
	BA	WO 01/13585 A1	02/22/01	PCT	H04L	12/46		X
	BB							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

BC	Z. Wang et al., "Resource Allocation for Elastic Traffic: Architecture and Mechanisms," Conference Proceedings Article, 2000, XP010376681, pages 159-169.
BD	C. V. Papadopoulos et al., "Protection and Routing Algorithms for Network Management -The Case of Transmission Networks," Microprocessing and Microprogramming 38 (1993), XP000383771, pages 163-170.
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BG	T. Bates et al., "Multiprotocol Extensions for BGP-4", XP-00219077, June 2000, ppg. 1-10.

Examiner:

Date Considered:

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Modified)U.S. Department of Commerce
Patent and Trademark Office

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Serial No.: 10/070,338

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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Applicants: Mansour J. Karam et al.

(37 CFR § 1.98(b))

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BI	S. Berson et al., "An Architecture for Advance Reservations in the Internet," USC Information Sciences Institute, July 16, 1998, pages 1-21.
BJ	R. P. Draves et al., "Constructing Optimal IP Routing Tables," 1999 IEEE, 1-10.
BK	R. Govindan et al., "An Analysis of Internet Inter-Domain Topology and Route Stability," USC Information Sciences Institute, 1997 IEEE, 8 pages.
BL	V. Paxson, "Toward a Framework for Defining Internet Performance Metrics," http://www.isoc.org/inet96/proceedings/d3/d3_3.htm , pages 1-20.
BM	C. Alaettinoglu et al. "Routing Policy Specification Language (RPSL)," http://quimby.gnus.org/internet-drafts/draft-ietf-rpsl-v2-00.txt , pages 1-56.
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BP	Sami Iren et al., "The Transport Layer: Tutorial and Survey", XP-002210446, ACM Computing Surveys, Vol. 31, No. 4, December 1999, pages. 360-405.
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ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1
Stylesheet Version v1.1.1

Title of Invention

METHOD AND APPARATUS FOR CHARACTERIZING THE QUALITY OF NETWORK PATH

Submission Type:

Information Disclosure Statement

Application Number:

10/070338

10/070338

EFS ID:

80866

Server Response:

Confirmation Code	Message
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First Named Applicant:

Mansour Karam

Attorney Docket Number:

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Electronic Version v1.1 Stylesheet Version v1.1.0							
Title of Invention	METHOD AND APPARATUS FOR CHARACTERIZING THE QUALITY OF NETWORK PATH						
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Date:	2002-12-12						
First Named Applicant:	Mansour J. Karam						
Confirmation Number:	2450						
Attorney Docket Number:							
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Thomas B. Haverstock Registered Number: 32571</td><td>/tbh/</td><td>Attorney</td></tr></tbody></table>		Submitted by:	Elec. Sign.	Sign. Capacity	Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney
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Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney					

Documents being submitted	Files
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Comments	

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention
METHOD AND APPARATUS FOR CHARACTERIZING THE QUALITY OF NETWORK PATH

Application Number: 10/070338 *10/070338*

Confirmation Number: 2450

First Named Applicant: Mansour Karam

Attorney Docket Number:

Search string: (4284852 or 4345116 or 4495570 or 4594704 or 4669113 or 4704724 or 4726017 or 4748658 or 4788721 or 4839798 or 4920432 or 4931941 or 4939726 or 4949187 or 4949248 or 5142570 or 5172413 or 5253341 or 5287537 or 5291554 or 5341477 or 5371532 or 5375070 or 5406502 or 5410343 or 5414455 or 5442389 or 5442390 or 5442749 or 5452294 or 5467345 or 5471622 or 5475615 or 5477536 or 5508732 or 5515511 or 5519435 or 5521591 or 5528281 or 5563875 or 5629930 or 5631897 or 5636216 or 5668800 or 5675741 or 5754639 or 5787253 or 5793976 or 5802106).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4284852	1981-08-18	Szybicki et al.			
	2	4345116	1982-08-17	Ash et al.			
	3	4495570	1985-01-22	Kitajima et al.			
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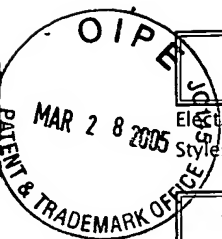
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47	5787253	1998-07-28	McCreery et al.
48	5793976	1998-08-11	Chen et al.
49	5802106	1998-09-01	Packer

Signature

Examiner Name	Date



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Page 2 of 2

us-ids	AVARS_02700B-usidst.xml	6480
us-ids	us-ids.dtd	7763
us-ids	us-ids.xsl	12026
package-data	AVARS_02700B-pkda.xml	1717
package-data	package-data.dtd	27025
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Title of Invention	METHOD AND APPARATUS FOR CHARACTERIZING THE QUALITY OF NETWORK PATH						
Application Number:	10/070338 *10/070338*						
Date:	2002-12-12						
First Named Applicant:	Mansour J. Karam						
Confirmation Number:	2450						
Attorney Docket Number:							
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Submitted by:	Elec. Sign.	Sign. Capacity					
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Documents being submitted	Files
us-ids	AVARS_02700B-usidst.xml us-ids.dtd us-ids.xsl
Comments	

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Title of Invention	METHOD AND APPARATUS FOR CHARACTERIZING THE QUALITY OF NETWORK PATH						
Application Number:	10/070338 *10/070338*						
Confirmation Number:	2450						
First Named Applicant:	Mansour Karam						
Attorney Docket Number:							
Search string:	(5805594 or 5835710 or 5845091 or 5884047 or 5974457 or 6006264 or 6009081 or 6026411 or 6069889 or 6108703 or 6119235 or 6130890 or 6167052 or 6173324 or 6185598 or 6275470 or 6282562 or 6286045 or 6339595 or 6341309 or 6415323 or 6526056 or 6601098 or 6608841 or 6611872 or 6625648 or 6631419 or 6633640 or 6714549 or 6748426 or 6766381 or 20010037311 or 20020038331 or 20020124100 or 20030016770).pn.						
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
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3/25/2005

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